

IN THE CLAIMS:

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Please cancel without prejudice claims 1-15, 18, 39 and 59-69.

C 2
1 16. (Twice Amended) A method of screening potential catalysts for polymerization
2 performance wherein the polymerization performance of the potential catalysts is
3 determined for at least a first monomer as a predictor for the polymerization performance
4 of the potential catalysts for at least a second monomer, the first and second monomers
5 being different from each other and the first monomer being an olefin other than
6 ethylene, the method comprising:
7 concurrently reacting an array of at least 8 potential polymerization catalysts that
8 are different from each other with the at least first monomer under polymerization
9 conditions;
10 determining the polymerization performance of each of the potential catalysts
11 with the at least first monomer; and,
12 using the polymerization performance as a figure of merit for planning of
13 additional screens, laboratory or commercial polymerization or copolymerization.

C 3
1 42. (Amended) A screening method for high throughput screening of potential
2 catalysts for polymerization performance for at least a second monomer, comprising:
3 concurrently reacting a plurality of at least 8 potential catalysts arrayed on a
4 substrate with a first monomer;
5 determining a property of any polymer sample or polymerization mixture made
6 during the reaction step at a rate of one hour or less per potential catalyst, and,
7 using the determination as a figure of merit for planning of additional screens,
8 laboratory or commercial polymerization or copolymerization.